

**Notice of Allowability**

Application No.

10/028,680

Applicant(s)

CHO, CHIN-FU

Examiner

Art Unit

Negussie Worku

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/06/06.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Negussie Worku*  
5/17/06

DOUGLAS Q. TRAN  
PRIMARY EXAMINER

*Douglas Q. Tran*

## **DETAILED ACTION**

### ***Reason for Allowance***

1. The following is an examiner's statement of reasons for allowance: In response to the Office action dated January 9, 2006, and further to the amendments filed April 05, 2006, applicant's request in view of the amendments and remarks have been reviewed and respectfully considered.

According to applicant's response independent claims 1, have been amended or/and rewritten to include the subject matter that applicant regard as his invention in order to overcome the prior art used against application.

Applicant's arguments/remarks as indicated on page 7 through 12, are believed to be distinct from the prior art (Witte et al. USP 6,831,759) used to reject the application.

Furthermore, in Witte et al., in contrast to the present invention, the lights, the mirror, the lens, and the sensor, are all positioned within the housing 62 of the scanner module 60. None of these elements are positioned at the shutter 80.

In the present invention, an image sensor is arranged in the first shell 11, while the mirror set is arranged at the second shell 12.

Therefore, in the present invention, the light is guided within the second shell and is transferred from the second shell into the first shell to reach the image sensor which

Art Unit: 2626

is positioned in the first shell. In contrast to Witte et al., when the front portion of the second shell 12 abuts the stopper 52, as is the case at the first scanning position, shown in Figure 1, the rear portion of the second shell 12 projects through the second edge of the first shell 11.

Opposingly, in the second scanning position, shown in Figure 2, when the rear portion of the second shell abuts the stopper 53 of the outer casing 5 at the right inner wall thereof, the front is the result of the operational principles of the present device, in which, when the second shell 12 abuts to the stopper (52 or 53 of the outer casing 5), the first shell 11 continually moves a short distance (B - C in Figure 1, and D - A in Figure 2) towards the respective inner wall of the outer casing 5 beyond the edge (front or rear) of the second shell, thereby telescoping the front or the rear portion of the second shell 12 through the respective edge of the first shell 11 to project externally therefrom.

Such an arrangement permits added displacement or (movement) of the edge of the first shell towards the respective inner wall of the outer casing 5. This provides for an extended horizontal pathway of the light source 10 (which is located on the first shell 11) relative to the document 50, thereby extending the "scanning coverage" of the document by the scanner of the present invention without increasing the dimensions of the scanning module.

Therefore, claims 1 through 9 are allowed for the reason the prior art searched and of record neither anticipates nor suggests the claimed invention as amended.

Art Unit: 2626

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Negussie Worku whose telephone number is 571-272-7472. The examiner can normally be reached on 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on 571-272-3774. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Negussie Worku

05/17/06

**DOUGLAS Q. TRAN**  
**PRIMARY EXAMINER**

